

MEMO TO FILE

Date: 8/2/16

From: Kirsten Hiortdahl

Site Name: STALEY PCE/BROWN'S GROCERY

ID: NCN000410534

RE: Site Review Summary

Site Location (street, city and county where site is located)

- 6488 Whites Chapel Rd, Staley, Randolph County, NC 27355

Potential RP or Remedial Party (address and phone contacts):

- Unknown

Current Status (direct oversight, REC, independent cleanup, BF agreement, no activities, etc.):

- Bernard Allan and IHSB Orphan fund

Brief Description of the Site (contaminants, contaminated media and the highest concentrations, type of business, etc.):

In 1998 NCDENR UST tested a WSW at Brown's Grocery per a complaint of odor and discoloration; high concentrations of petroleum were found. In 2006 during subsequent samplings of nearby WSWs, PCE was found in multiple wells. In 2010 the EPA installed four POE systems on the affected WSWs. In 2011 DWM-IHSB installed a fifth POE system on an additional affected WSW.

The PCE-contaminated residential wells form a contiguous southwest-oriented cluster, measuring approximately 0.3-mile-long and centered approximately 0.1-mile west of the intersection of Whites Chapel Road and NC Highway 49. The maximum PCE concentration (163 ug/l) occurred at 6488 Whites Chapel Road.

Brief Description of Actions Taken at Site so Far (RI, AA, RAP, etc.):

- Bernard Allan Sampling surrounding WSWs and maintaining four active POE systems
- One active POE system is maintained by the IHSB Orphan fund
- One POE was discontinued as the homeowner obtained an alternative water source

Risk Factors (water supply wells, vapor intrusion potential, surface water, soil contamination, sensitive receptors, property use, distance to residential houses, etc.):

- Within a 4-mile radius of the site depends on groundwater as a drinking-water source. Most supplies consist of individual residential wells; only two community residential supply wells were identified, and no municipal groundwater well systems operate inside the area

Conclusion and Recommendation:

- High Priority (Bernard Allan/Orphan addressing)